DERWENT-ACC-NO: 1984-034294

DERWENT-WEEK: 198406

TITLE: Corona discharge treatment of plastics mouldings - with discharge side electrode enclosed by hood

PATENT-ASSIGNEE: TOYOBO KK[TOYM]

PRIORITY-DATA: 1982JP-0108219 (June 22, 1982)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
JP 58225133 A	December 27, 1983	N/A	007	N/A
JP 90025935 B	June 6, 1990	N/A	000	N/A

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
JP 58225133A	N/A	1982JP-0108219	June 22, 1982
JP 90025935B	N/A	1982JP-0108219	June 22, 1982

INT-CL (IPC): C08J007/10

ABSTRACTED-PUB-NO: JP 58225133A

BASIC-ABSTRACT:

In the corona discharge treatment of plastics, mouldings esp. of plastics film such as polyethylene film, polypropylene film, etc., using a corona discharge treatment device having at least 1 pair of electrodes and having the discharge side electrode enclosed with a hood, a single or mixed inert gas is blown against the surface of plastic forming to which corona discharge treatment is applied at a speed above 1% of the feed speed of plastic mouldings through a

gas blowing port (5) of a slit-form provided on the discharge side electrode
(3).

The air carried into the hood together with plastics, mouldings is dispersed
precisely by the blowing gas. A discharge zone free from air may be formed
exactly using a small amt. of inert gas.

CHOSEN-DRAWING: Dwg.1,2,3/

TITLE-TERMS: CORONA DISCHARGE TREAT PLASTICS MOULD DISCHARGE SIDE ELECTRODE
ENCLOSE HOOD

DERWENT-CLASS: A17 A35

CPI-CODES: A10-E10; A11-C04; A12-S06B;

POLYMER-MULTIPUNCH-CODES-AND-KEY-SERIALS:
Key Serials: 0229 0239 0248 2018 2019 2196 2198 2372 2478 2513 2545
Multipunch Codes: 014 03- 041 046 047 050 231 359 388 435 466 467 476 688

SECONDARY-ACC-NO:
CPI Secondary Accession Numbers: C1984-014610

DERWENT-ACC-NO: 1993-286923

DERWENT-WEEK: 199336

TITLE: Electro-filter - has corona and depositing electrodes of two field sections offset relative to each other and uses sections to remove coarse and fine particles

INVENTOR: IZOKH, A I

PATENT-ASSIGNEE: GASES IND SANITARY PURIF RES INST[GASER]

PRIORITY-DATA: 1989SU-4770725 (November 4, 1989)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
SU 1763024 A1	September 23, 1992	N/A	003	B03C 003/08

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
SU 1763024A1	N/A	1989SU-4770725	November 4, 1989

INT-CL (IPC): B03C003/08

ABSTRACTED-PUB-NO: SU 1763024A

BASIC-ABSTRACT:

Gas with dust passes through an inlet tube (2) into a body (1) of an electro-filter and the dust is charged in the electric field (4) formed between depositing and corona electrodes (6,7). The dust settles on the depositing electrodes (6) during a flow of gas in the channel between the depositing electrodes (6) of a determined width and length. At the end of the electric field (4), the gas flow speed is max. in the centres of the channels between the depositing electrodes (6) and is min. against the depositing

electrodes
(6), where coarse fractions are deposited.

The partially cleaned gas passes to a second electric field (5) and the fine
dust particles are close to the offset depositing electrodes (6) of this field,
ensuring their intense depositing and preventing their carrying away. The
cleaned gas passes from an outlet pipe (3) from the electro-filter.

USE/ADVANTAGE - Used for electric cleaning of gases. Better degree of cleaning
and prevention of carrying away of fine particles are ensured.
Bul.35/23.9.92

CHOSEN-DRAWING: Dwg.1/1

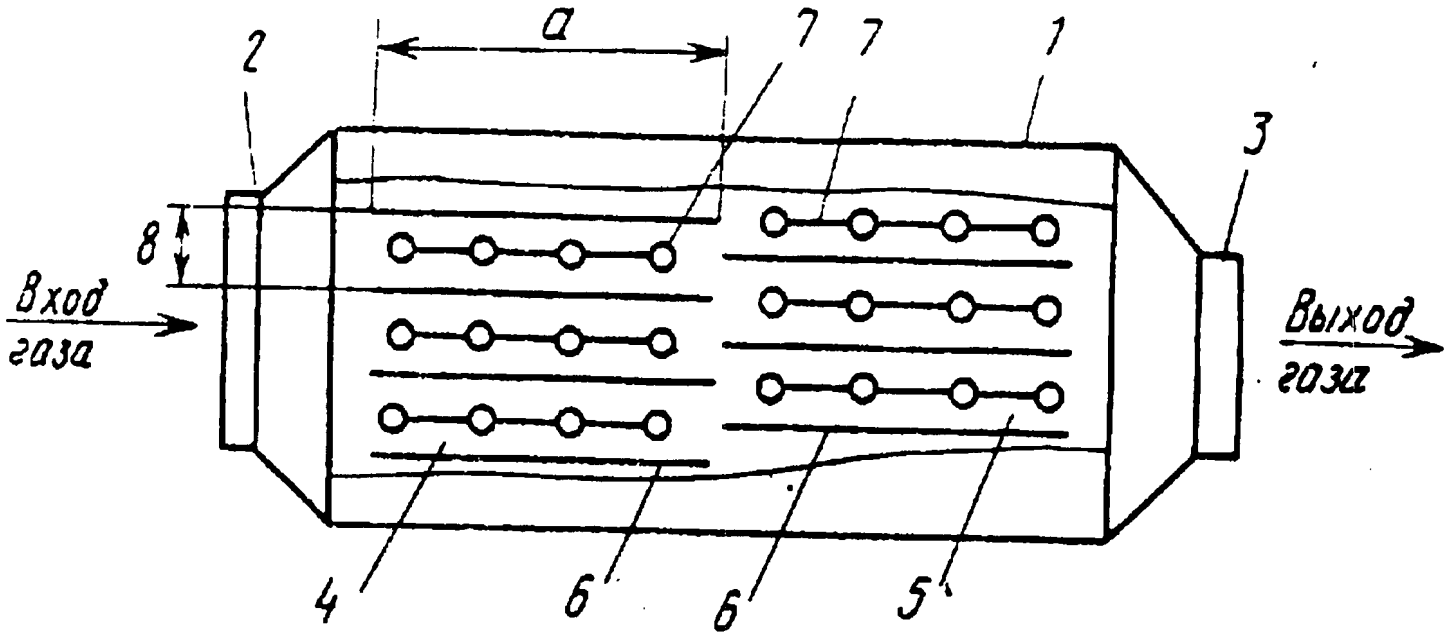
TITLE-TERMS: ELECTRO FILTER CORONA DEPOSIT ELECTRODE TWO FIELD SECTION OFFSET
RELATIVE SECTION REMOVE COARSE FINE PARTICLE

DERWENT-CLASS: J01 P41 X25

CPI-CODES: J01-G04;

EPI-CODES: X25-H02A;

SECONDARY-ACC-NO:
CPI Secondary Accession Numbers: C1993-128051
Non-CPI Secondary Accession Numbers: N1993-220697


a
2
7
7
1
3
8
Вход
газа
Выход
газа
4
6
6
5

DERWENT-ACC-NO: 2002-364518

DERWENT-WEEK: 200456

TITLE: Printer contains chamber with sealed compartment, high-voltage electrodes, counter electrode, cylinder and print material.

INVENTOR: IHME, A

PATENT-ASSIGNEE: MAN ROLAND DRUCKMASCHINEN AG[MAUG]

PRIORITY-DATA: 2000DE-1050517 (October 11, 2000)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE	PAGES	MAIN-IPC
DE 50102908 G	August 26, 2004	N/A	000	B41F 023/04
EP 1199165 A1	April 24, 2002	G	009	B41F 023/04
DE 10050517 A1	May 2, 2002	N/A	000	B41F 023/00
EP 1199165 B1	July 21, 2004	G	000	B41F 023/04

DESIGNATED-STATES: AL AT BE CH CY DE DK ES FI FR GB GR IE IT LI LT LU LV MC MK NL PT RO SE SI TR AT BE CH CY DE DK ES FI FR GB GR IE IT LI LU MC NL PT SE TR

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO	APPL-DATE
DE 50102908G	N/A	2001DE-0502908	September 28, 2001
DE 50102908G	N/A	2001EP-0123413	September 28, 2001
DE 50102908G	Based on	EP 1199165	N/A
EP 1199165A1	N/A	2001EP-0123413	September 28, 2001
DE 10050517A1	N/A	2000DE-1050517	October 11, 2000

EP 1199165B1 N/A 2001EP-0123413
September 28, 2001

INT-CL (IPC): B41F022/00, B41F023/00 , B41F023/04 , F26B003/28 , F26B013/00

ABSTRACTED-PUB-NO: EP 1199165A

BASIC-ABSTRACT:

NOVELTY - The printer's chamber (3), in conjunction with a print moved onto a surface, produces a compartment sealed against the outer atmosphere. An edge of the chamber has a high-voltage electrode (6,7,8) which acts together with an electrically conductive surface beneath the print material (2), as a counter-electrode. The chamber has a cylinder (1) supporting the print material.

USE - Printing appliance on material inside a printer.

ADVANTAGE - The chamber is sealed and prevents smearing.

DESCRIPTION OF DRAWING(S) - The drawing shows a seal for an inert gas chamber with UV excimer radiator.

Cylinder 1

Print material 2

Chamber 3

Electrode. 6,7,8

CHOSEN-DRAWING: Dwg.1/2

TITLE-TERMS: PRINT CONTAIN CHAMBER SEAL COMPARTMENT HIGH VOLTAGE ELECTRODE COUNTER ELECTRODE CYLINDER PRINT MATERIAL

DERWENT-CLASS: P74 Q76

SECONDARY-ACC-NO:
Non-CPI Secondary Accession Numbers: N2002-284871